

ECS/EMD Configuration Change Request

Page 1 of 2 Page(s)

1. Originator Joan H. Schessler	2. Log Date: 11/14/03	3. CCR #: 03-0755	4. Rev: —	5. Tel: 301.925.0426	6. Rm #: 3068C	7. Org. SEIT
8. CCR Title: Update Ticket DP_S4_05, Allow Operators to Update Data Pool Collection to Group Mappings						
9. Originator Signature/Date Joan H. Schessler /s/ 11/14/03			10. Class II	11. Type: CCR	12. Need Date: 11/21/03	
13. CCR Sponsor Signature/Date Evelyn N. Nakamura /s/ 11/14/03			14. Category of Change: VDB		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted (Review and submit checklist): N/A			17. Schedule Impact: N/A		18. CI(s) Affected: N/A	
19. Release Affected by this Change: N/A		20. Date due to Customer: N/A		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other:						
23. Problem: (use additional Sheets if necessary) Ticket needs to be updated per actions assigned to the ticket author at the CUT review for the capability as well as other notes accumulated by the author.						
24. Proposed Solution: (use additional sheets if necessary) Update ticket DP_S4_05 per attached redlined Word file. Note: The redlines include characters requiring HTML coding.						
25. Alternate Solution: (use additional sheets if necessary) None						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary)						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. SCDV CCB Chair (Sign/Date): Byron V. Peters /s/ 11/18/03			Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. EDF CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

ADDITIONAL SHEET

CCR #: 03-0755 **Rev:** **Originator:** Joan H. Schessler

Telephone: 301.925.0426 **Office:** SEIT

Title of Change: Update Ticket DP_S4_05, Allow Operators to Update Data Pool Collection to Group Mappings

Changes are as follows:

1. Removed requirement S-DPL-66100(e) to log the number of granules in the collection being remapped. This requirement was removed because the information is not critical, and it is difficult and performance-intensive to obtain with the current design whereby the remapping occurs via a unix move command at the directory level.

2. Removed requirement S-DPL-66060, and corresponding logging requirement S-DPL-66100(h). Modified Test Criterion 30 and pre-conditions accordingly. Empty collection level directories are removed by the Cleanup utility, per requirement D-CLN-03125 in Synergy II Ticket DP_SY_02 (The Data Pool Cleanup Utility shall remove any directories that have been emptied of files and links by the clean-up without causing concurrent Data Pool inserts to fail); also see NCR 35242 (Collection Level directories should be deleted if empty), which is now fixed. Therefore the situation where there is an empty collection level directory should not exist operationally, and the requirement that the Remapping utility correct this situation can be removed.

3. Modified S-DPL-66065 to indicate that the Most Recent Data Pool Insert files in the collection-level directory will move with the collection-level directory to the new parent group directory. Modified Test Criterion 40 to reflect this (added (h)).

4. NOTE: Requirement S-DPL-66055 says "The Collection-to-Group Remapping utility shall determine whether a directory for the new group exists on the Data Pool file system, and if not, it shall create one." Technically, the new group directory only needs to be created if the remapped collection is populated. If the remapped collection is empty, there is no need to create the group directory, because the DPIU will do that at the time the first granule is inserted for the collection. I have not changed the requirement for now (because it won't hurt to create the group directory ahead of time), but Ken is checking to see what the Remapping Utility code currently does in the empty collection case, and if it does NOT create the new group directory in the empty collection case, I will modify this requirement accordingly.